

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A method comprising:

~~transmitting~~ causing transmission of a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

generating service identification data relating service components to services on that channel;

repeatedly ~~transmitting~~ causing transmission of the service identification data on the channel; and

repeatedly ~~transmitting~~ causing transmission of information relating to the timing of transmissions of the service identification data and a given frequency of the channel at which the transmission of the service identification data will occur.

wherein the method is a method of providing service selection for a mobile terminal.

2. (Previously Presented) The method as claimed in claim 1, in which the generating service identification data relating service components to services on that channel includes generating data identifying the media format of each service component.

3. (Canceled)

4. (Currently Amended) The method as claimed in claim 1, ~~wherein the service components for a given service are transmitted in a time sliced manner at a given frequency;~~

~~wherein the generating service identification data relating service components to services on that channel comprises generating service identification data relating service components at a given frequency to services and identifying the media format of each service component; and~~

~~wherein repeatedly transmitting the service identification data on the channel comprises repeatedly transmitting at the frequency carrying the corresponding service components.~~

5. (Currently Amended) The method as claimed in claim 1, further comprising transmitting causing transmission of the information relating to the timing of transmissions of the service identification data in a network different than that used for the transmitting the service identification data on the channel.

6. (Previously Presented) The method as claimed in claim 5, wherein transmitting the information relating to the timing of transmissions of the service identification data is performed in response to an inquiry from a mobile terminal.

7. (Previously Presented) The method as claimed in claim 6, wherein transmitting the information relating to the timing of transmissions of the service identification data is performed in response to an inquiry transmitted from the mobile terminal using the different network.

8. (Previously Presented) The method as claimed in claim 1, comprising using the service identification data to generate a service guide for one or more services.

9. (Previously Presented) The method as claimed in claim 1, further comprising:
receiving the service identification data at a mobile terminal; and
at the mobile terminal, hierarchically arranging the services including the service components from the received service identification data.

10. (Currently Amended) An apparatus comprising:
a transmitter configured to transmit a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being arranged to be transmitted in a time-sliced manner on given channel, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different; and
a generator configured to generate service identification data relating service components on the channel to services[[]],

[[a]] wherein the transmitter is configured to repeatedly transmit the service identification data on the channel[[]; and]],

[[a]] wherein the transmitter is configured to repeatedly transmit information relating to the timing of transmissions of the service identification data and a given frequency of the channel at which the transmission of the service identification data will occur,[[]] and

wherein the system apparatus is ~~a system for providing~~ configured to provide service selection for a mobile terminal.

11. (Canceled)

12. (Currently Amended) The apparatus as claimed in claim 10, in which the generator ~~includes a generator~~ is configured to generate data identifying the media format of each service component.

13. (Currently Amended) The apparatus as claimed in claim 10, ~~wherein the service components for a given service are arranged to be transmitted in a time-sliced manner at a given frequency;~~

wherein the transmitter ~~configured to transmit service identification data comprises a transmitter~~ is configured to transmit ~~service identification data relating service components at a given frequency to services and the media format of each service component; and~~

~~wherein the transmitter configured to repeatedly transmit the service identification data comprises a transmitter configured to repeatedly transmit the service identification data at the frequency carrying the corresponding service components.~~

14. (Currently Amended) The apparatus as claimed in claims 10, ~~comprising a~~ wherein the transmitter is configured to transmit the information relating to the timing of transmissions of the service identification data in a network different than that used for the service identification data information transmission.

15. (Previously Presented) The apparatus as claimed in claim 14, wherein the information relating to the timing of transmission of the service identification data is transmitted in response to an inquiry from the mobile terminal.

16. (Previously Presented) The apparatus as claimed in claim 15, wherein the inquiry from the mobile terminal uses the different network.

17. (Currently Amended) The apparatus as claimed in claim 10, ~~comprising a~~ wherein the mobile terminal is arranged to use the service identification data to generate a service guide for one or more services.

18. (Currently Amended) The apparatus as claimed in claim 10, ~~in which~~ wherein the mobile terminal is arranged to receive the service identification data, and to use it to arrange hierarchically the services including the service components.

19. (Currently Amended) An apparatus comprising:
a receiver configured to receive at least one repeated transmission of information relating to the timing of transmissions of service identification data and a given frequency of a channel at which the transmission of the service identification data will occur;

a tuner configured to use the information ~~relating to the timing of transmissions of the service identification data~~ to tune to an ~~appropriate~~ the channel at an appropriate time to decode

service identification data, the service identification data relating service components on the channel to services; and

a processor configured to subsequently obtain, from service components transmitted in a time-sliced manner on the channel, required service components of a service, wherein the service components are arranged to be received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and the apparatus is a mobile terminal.

20. (Currently Amended) The apparatus as claimed in claim 19, ~~in which~~ wherein the service identification data relates service components on the channel to services.

21. (Canceled)

22. (Currently Amended) The apparatus as claimed in claim 19, wherein ~~the tuner configured to use the information relating to the timing of transmissions of the service identification data to tune comprises a tuner configured to use the information relating to the timing of transmissions of the service identification data to tune to an appropriate frequency at an appropriate time to decode service identification data; the service identification data relating service components at the frequency to services and identify~~ identifies the media format of each service component; ~~and~~

~~wherein the processor configured to subsequently maintain the required service components of a service comprises a processor configured to obtain the service components from service components transmitted in a time-sliced manner at the given frequency.~~

23. (Currently Amended) A method comprising:

receiving at least one repeated transmission of information relating to ~~the~~ timing of transmissions of service identification data and a given frequency of a channel at which the transmission of the service identification data will occur;

~~using the information relating to the timing of transmissions of the service identification data to tune to an appropriate~~ the channel at an appropriate time to decode service identification data, the service identification data relating service components at a frequency to services; and

subsequently obtaining, from service components transmitted in a time-sliced manner on the channel, required service components of a service, wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and the method is a method of operating a mobile terminal.

24. (Currently Amended) The method as claimed in claim 23, ~~in which~~ wherein the service identification data relates service components on the channel to services.

25. (Canceled)

26. (Currently Amended) The method as claimed in claim 23,
~~wherein using the information relating to the timing of transmissions of the service-identification data comprises using the information relating to the timing of transmissions of the service identification data to tune to an appropriate frequency at an appropriate time to decode~~

~~service identification data, the service identification data relating service components at the frequency to services and identifying identifies the media format of each service component; and subsequently obtaining required service components of a service comprises obtaining the required service components of a service from service components transmitted in a time sliced manner at the given frequency.~~

27. (Currently Amended) The method as claimed in claim 26, further comprising using the service identification data to generate a service guide for one or more services.

28. (Currently Amended) A method comprising:

receiving service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets, the service components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

receiving information relating to timing of transmissions of the service identification data and a given frequency of the channel at which the transmission of the service identification data will occur;

hierarchically arranging services including the appropriate service components; and

displaying the different service sets, services or service components, wherein the method is a method of providing service selection data on a display.

29. (Currently Amended) The method as claimed in claim 23, ~~in which~~ wherein hierarchically arranging services comprises using data items describing the various service components for categorizing received content items.

30. (Currently Amended) The method as claimed in claim 29, ~~in which~~ wherein the content items are categorized according to content type.

31. (Canceled)

32. (Previously Presented) A method comprising:
providing service selection data using the method of claim 23; and
following selection of a displayed service set, service or service component, tuning to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

33. (Currently Amended) An apparatus comprising:
a receiver configured to receive service identification data relating service components on a given channel to services and relating services on the given channel to service sets, the service components for a given service arranged to be received in a time-sliced manner on the given channel, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, the receiver being configured to receive information

relating to timing of transmissions of the service identification data and a given frequency of the channel at which the transmission of the service identification data will occur;

a controller configured to order hierarchically services including the appropriate service components; and

a display configured to display the different service sets, services or service components, wherein the apparatus comprises a mobile terminal.

34. (Canceled)

35. (Currently Amended) The apparatus as claimed in claim 33, ~~comprising a~~ wherein the receiver is configured to receive service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets.

36. (Currently Amended) The apparatus as claimed in claim 33, ~~in which~~ wherein the controller is configured to use data items describing the various service components to categorize received content items.

37. (Currently Amended) The apparatus as claimed in claim 36, ~~in which~~ wherein the content items are categorized according to content type.

38. (Canceled)

39. (Currently Amended) The apparatus as claimed in claim 33, wherein the apparatus is arranged to be responsive to selection of a displayed service set, service or service component, to tune to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

40. - 42. (Canceled)

43. (Previously Presented) The method as claimed in claim 1, wherein the method is a computer-implemented method and at least one step is performed by a computer.

44. (Previously Presented) The method as claimed in claim 23, wherein the method is a computer-implemented method and at least one step is performed by a computer.

45. (Previously Presented) The method as claimed in claim 28, wherein the method is a computer-implemented method and at least one step is performed by a computer.

46. (Previously Presented) A computer readable medium encoded with instructions that, when executed by a computer, perform the steps of claim 1.